

**● PRINTER RUSH ●**  
(PTO ASSISTANCE)

MAY 26 2005

Application : 09/619032 Examiner : Ramirez GAU : 1652  
From : CA Location : IDC FMF FDC Date : 5/18/05  
Tracking # : 06089377 Week Date : 5/21/05

| DOC CODE                                | DOC DATE       | MISCELLANEOUS                                |
|---|----------------|--|
| <input type="checkbox"/> 1449           |                | <input type="checkbox"/> Continuing Data     |
| <input type="checkbox"/> IDS            |                | <input type="checkbox"/> Foreign Priority    |
| <input type="checkbox"/> CLM            |                | <input type="checkbox"/> Document Legibility |
| <input type="checkbox"/> IIFW           |                | <input type="checkbox"/> Fees                |
| <input type="checkbox"/> SRFW           |                | <input type="checkbox"/> Other               |
| <input checked="" type="checkbox"/> DRW | <u>9/25/03</u> |  |
| <input type="checkbox"/> OATH           |                |  |
| <input type="checkbox"/> 312            |                |  |
| <input type="checkbox"/> SPEC           |                |  |

Attn: Chief Draftsperson:

[RUSH] MESSAGE: A corrected Fig 5 was submitted, however,  
no original Fig 5A (or any other Figures 2-4)  
were originally submitted.

please  
Reserve

Thank You

CB

[XRUSH] RESPONSE:

corrected

INITIALS:

CA

|   |     |
|---|-----|
| TTG AGA GCG CTC GTC TTT CAC GGC AAC CTC CAG TAT GCC GAA ATC CCA     | 48  |
| Leu Arg Ala Leu Val Phe His Gly Asn Leu Gln Tyr Ala Glu Ile Pro     |     |
| 1 5 10 15   |     |
| AAG AGC GAA ATC CCA AAG GTC ATA GAG AAG GCA TAC ATC CCA GTC ATC     | 96  |
| Lys Ser Glu Ile Pro Lys Val Ile Glu Lys Ala Tyr Ile Pro Val Ile     |     |
| 20 25 30  |     |
| GAG ACA CTG ATT AAA GAA GAA ATT CCT TTT GGG CTC AAC ATA ACG GGC     | 144 |
| Glu Thr Leu Ile Lys Glu Glu Ile Pro Phe Gly Leu Asn Ile Thr Gly     |     |
| 35 40 45  |     |
| TAT ACC TTA AAG TTC CTC CCG AAG GAT ATT ATA GAC CTC GTT AAA GGG     | 192 |
| Tyr Thr Leu Lys Phe Leu Leu Pro Lys Asp Ile Ile Asp Leu Val Lys Gly |     |
| 50 55 60  |     |
| GGC ATC GCG AGT GAC CTG ATA GAG ATA ATC GGA ACG AGC TAC ACG CAC     | 240 |
| Gly Ile Ala Ser Asp Leu Ile Glu Ile Ile Gly Thr Ser Tyr Thr His     |     |
| 65 70 75  | 80  |
| GCA ATA CTC CCC CTC CTG CCG CTT AGC AGA GTA GAA GCA CAA GTT CAG     | 288 |
| Ala Ile Leu Pro Leu Leu Pro Leu Ser Arg Val Glu Ala Gln Val Gln     |     |
| 85 90 95  |     |
| AGA GAT AGG GAA GTT AAG GAG GAG CTC TTC GAG GTT TCT CCA AAG GGA     | 336 |
| Arg Asp Arg Glu Val Lys Glu Glu Leu Phe Glu Val Ser Pro Lys Gly     |     |
| 100 105 110   |     |
| TTC TGG CTG CCA GAG CTC GCC TAT GAC CCG ATA ATC CCT GCC ATA CTG     | 384 |
| Phe Trp Leu Pro Glu Leu Ala Tyr Asp Pro Ile Ile Pro Ala Ile Leu     |     |
| 115 120 125   |     |

FIG. 1A

FIG. 1B

|                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |     |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----|
| AAG<br>Lys<br>130 | GAC<br>Asp<br>130 | AAC<br>Asn<br>130 | GGT<br>Gly<br>135 | TAT<br>Tyr<br>135 | GAG<br>Glu<br>135 | TAT<br>Tyr<br>135 | CTA<br>Leu<br>135 | TTC<br>Phe<br>140 | GCC<br>Ala<br>140 | GAC<br>Asp<br>140 | GGG<br>Gly<br>140 | GAG<br>Glu<br>140 | GCG<br>Ala<br>140 | ATG<br>Met<br>140 | CTT<br>Leu<br>140 | 432 |
| TTC<br>Phe<br>145 | TCA<br>Ser<br>145 | GCT<br>Ala<br>145 | CAT<br>His<br>145 | CTC<br>Leu<br>150 | AAC<br>Asn<br>150 | TCG<br>Ser<br>150 | GCG<br>Ala<br>150 | ATA<br>Ile<br>155 | AAG<br>Lys<br>155 | CCA<br>Pro<br>155 | ATT<br>Ile<br>160 | AAA<br>Lys<br>160 | CCG<br>Pro<br>160 | CTC<br>Leu<br>160 | TAT<br>Tyr<br>160 | 480 |
| CCA<br>Pro<br>155 | CAC<br>His<br>155 | CTT<br>Leu<br>160 | ATA<br>Ile<br>165 | AAG<br>Lys<br>165 | GCC<br>Ala<br>165 | CAA<br>Gln<br>170 | AGG<br>Arg<br>170 | GAA<br>Glu<br>170 | AAG<br>Lys<br>170 | CGC<br>Arg<br>175 | TTT<br>Phe<br>175 | AGG<br>Arg<br>175 | TAC<br>Tyr<br>175 | ATC<br>Ile<br>175 | AGC<br>Ser<br>175 | 528 |
| TAT<br>Tyr<br>180 | CTC<br>Leu<br>180 | GGT<br>Gly<br>180 | CTC<br>Leu<br>185 | AGG<br>Arg<br>185 | GAG<br>Glu<br>185 | CTT<br>Leu<br>185 | GCG<br>Ala<br>185 | ATA<br>Ile<br>190 | AAG<br>Lys<br>190 | CTC<br>Leu<br>190 | TTT<br>Phe<br>190 | ATC<br>Val<br>190 | GTT<br>Val<br>190 | TTT<br>Phe<br>190 | TTT<br>Phe<br>190 | 576 |
| GAA<br>Glu<br>195 | GGT<br>Gly<br>195 | AAG<br>Lys<br>195 | GTA<br>Val<br>195 | ACG<br>Thr<br>200 | CTA<br>Leu<br>200 | AAG<br>Lys<br>200 | GCA<br>Ala<br>200 | GTC<br>Val<br>205 | AAA<br>Lys<br>205 | GAC<br>Asp<br>205 | ATC<br>Ile<br>205 | GAA<br>Glu<br>205 | GCC<br>Ala<br>205 | GTA<br>Val<br>205 | CCC<br>Pro<br>205 | 624 |
| GTT<br>Val<br>210 | TGG<br>Trp<br>210 | GTG<br>Val<br>210 | GCC<br>Ala<br>215 | GTG<br>Val<br>215 | AAC<br>Asn<br>215 | ACG<br>Thr<br>215 | GCT<br>Ala<br>215 | GTA<br>Val<br>220 | ATG<br>Met<br>220 | CTC<br>Leu<br>220 | GGC<br>Gly<br>220 | ATC<br>Ile<br>220 | GGA<br>Gly<br>220 | AGG<br>Arg<br>220 | CTT<br>Leu<br>220 | 672 |
| CCT<br>Pro<br>225 | CTT<br>Leu<br>225 | ATG<br>Met<br>230 | AAT<br>Asn<br>230 | CCT<br>Pro<br>230 | AAG<br>Lys<br>230 | AAA<br>Lys<br>235 | GTG<br>Val<br>235 | GCG<br>Ala<br>235 | AGC<br>Ser<br>235 | TGG<br>Trp<br>235 | ATA<br>Ile<br>240 | GAG<br>Glu<br>240 | GAC<br>Asp<br>240 | AAG<br>Lys<br>240 | GAC<br>Asp<br>240 | 720 |
| AAC<br>Asn<br>245 | ATT<br>Ile<br>245 | CTT<br>Leu<br>245 | CTA<br>Tyr<br>245 | TAC<br>Tyr<br>245 | GGC<br>Gly<br>245 | ACC<br>Thr<br>250 | GAT<br>Asp<br>250 | ATA<br>Ile<br>250 | GAG<br>Glu<br>250 | TTC<br>Phe<br>250 | ATT<br>Ile<br>255 | GGC<br>Gly<br>255 | TAT<br>Tyr<br>255 | AGG<br>Arg<br>255 | GAC<br>Asp<br>255 | 768 |

|   |      |
|---|------|
| ATT GCA GGC TAC AGA ATG AGT GTT GAG GGA TTA TTA GAG GTT ATA GAC     | 816  |
| Ile Ala Gly Tyr Arg Met Ser Val 265                                 |      |
| GAG CTC AAC TCG GAA CTG TGC CTT CCC TCA GAG CTG AAG CAC AGT GGA     | 864  |
| Glu Leu Asn Ser Glu Leu Cys 280                                     |      |
| AGG GAG CTC TAC CGG ACT TCG AGT TGG GCA CCA GAT AAG AGC TTG         | 912  |
| Arg Glu Leu Tyr Arg Thr Ser Ser Trp Ala Pro Asp Lys Ser Leu         |      |
| AGG ATA TGG AGA GAG GAC GAA GGG AAC GCA AGA CTT AAT ATG CTG TCC     | 960  |
| Arg Ile Trp Arg Glu Asp 310   |      |
| TAC AAT ATG AGG GGC GAA CTC GCC TTT TTA GCC GAG AAC AGC GAT GCA     | 1008 |
| Tyr Asn Met Arg Gly Glu Leu Ala Phe 330                             |      |
| AGG GGA TGG GAG CCC CTC CCT GAG AGG AGG CTG GAT GCC TTC CGG GCG     | 1047 |
| Arg Gly Trp Glu Pro Leu Pro Glu Arg Arg Glu Leu Asp Ala Phe Arg Ala |      |
| ATA TAT AAC GAT TGG AGG GGT GAA AAT GGG GAA CCT TAG                 | 1086 |
| Ile Tyr Asn Asp Trp Arg Gly Glu Asn Gly Glu Pro END 365             |      |

FIG. 1C